

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004169**Date Inspected:** 27-Sep-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Jeff Chen / Ck Chan**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG/Tower**Summary of Items Observed:**

On this date, Caltrans Office of Structure Materials (OSM) Quality Assurance Inspector (QA) Raymond Lara was present at jobsite in Zhenhua Port Machinery Company facility on Changxing island, China for the purpose of observing and monitoring the fabrication of the orthotropic box girder and tower.

Ultrasonic Weld Inspection

The Quality Assurance Inspector performed 25% random ultrasonic testing verification on side plate splice welds and tower diaphragm weld spile. See Caltrans report TL-6027 Ultrasonic Test Report, dated September 27, 2008 for additional information.

Heavy Shop 1

The Quality Assurance Inspector observed ZPMC ultrasonic Techicicians perform ultrasonic testing on varoius tower assemblies.

The Quality Assurance Inspector was unable to perform magnetic particle testing on Tower Skin weld SSDI SA164 A/F-5A/B. The Quality Assurance Inspector had no access due to grinding and torch cutting and jacking the skin plate on piles.

WELDING INSPECTION REPORT

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Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ady Velasco 138-1694-2685, who represents the Office of Structural Materials for your project.

Inspected By:	Lara,Raymond
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Quality Assurance Inspector

Reviewed By:	Wright,Mark
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QA Reviewer
